SOFTWARE DESIGN APPLICATIONS EARLY WARNING SYSTEM FOR FIRE DANGER THROUGH SHORT MESSAGE SERVICE (SMS) LANGUAGE PROGRAMMING USING VISUAL BASIC 6.0.

Maryani Utomo. 20403099, Linga Hermanto, SSi., MMSI
Thesis, Computer Systems
STMIK Jakarta STI & K
http://www.jak-stik.ac.id

Keywords: early warning, SMS, Serial Communications.

Abstract:
Writing the final project is about designing software applications early warning systems (early warning) fire hazard. Overall system consists of hardware and software. System hardware consists of sensors that detect the signs of the detection of fire smoke, the emergence of fire, and the increase in temperature in a room. All information that is detected is processed by a microcontroller that serves to sound the alarm and send data to the server computer via serial communication lines. Software on the server computer to read data received and then decide whether it has detected a fire in a room monitored by the hardware. If all the signs of a fire is detected it will automatically program the application will send short messages (SMS) to the security officer or the owner of the building. Serial communication is very important in the early warning system of this fire hazard. Its use is in connection with a microcontroller application programs and mobile phones. In the network concept would be more likely to develop early warning systems with more than one hardware device connected to a computer application program on the server. Distance factor between the microcontroller with the application programs make serial communication will not experience data loss on the cable (cableloss).
Bibliography: 7 (2000 - 2005)